

Specimen #		Control/Req Number		Pg 1	
Fasting		Micro Source		Total Urine Volume	
Date Collected 10/28/14		Time Collected 08:11		Date Entered 10/28/14	
Patient ID Number		Patient Phone Number		Patient SSN	
Patient Name		Sex M		Date of Birth /87	
Patient Address					
Comments PATIENT AGE: 027 /					

Tests Requested CMP14+LP+TP+TSH+5AC+CBC/D/Plt; Thyroxine (T4) Free, Direct, S; Antithyroglobulin Ab; Reverse T3, Serum; Vitamin D, 25-Hydroxy; Homocyst(e)ine, Plasma; Triiodothyronine (T3); Vitamin B12; Thyroid Peroxidase (TPO) Ab;					
TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
Glucose, Serum	90		mg/dL	65-99	01
Uric Acid, Serum	8.3		mg/dL	3.7-8.6	01
Therapeutic target for gout patients: <6.0					
BUN	9		mg/dL	6-20	01
Creatinine, Serum	1.01		mg/dL	0.76-1.27	01
eGFR If NonAfricn Am	101		mL/min/1.73	>59	01
eGFR If Africn Am	117		mL/min/1.73	>59	01
BUN/Creatinine Ratio	9			8-19	01
Sodium, Serum	140		mmol/L	134-144	01
Potassium, Serum	4.8		mmol/L	3.5-5.2	01
Chloride, Serum	99		mmol/L	97-108	01
Carbon Dioxide, Total	26		mmol/L	18-29	01
Calcium, Serum	10.0		mg/dL	8.7-10.2	01
Phosphorus, Serum	4.1		mg/dL	2.5-4.5	01
Protein, Total, Serum	7.5		g/dL	6.0-8.5	01
Albumin, Serum	4.9		g/dL	3.5-5.5	01
Globulin, Total	2.6		g/dL	1.5-4.5	01
A/G Ratio	1.9			1.1-2.5	01
Bilirubin, Total	0.5		mg/dL	0.0-1.2	01
Alkaline Phosphatase, S	95		IU/L	39-117	01
LDH	224		IU/L	0-225	01
Effective November 10, 2014 the reference interval					
for LDH will be changing to:					
	Age	Male	Female		
	1 - 7 days	123 - 237	123 - 237		
	8 - 30 days	126 - 331	130 - 275		
	1 - 11 months	143 - 381	128 - 376		
	1 - 3 years	195 - 361	192 - 352		
	4 - 6 years	180 - 313	180 - 311		
	7 - 9 years	166 - 291	166 - 290		
	10 - 12 years	155 - 280	135 - 260		
	13 - 15 years	126 - 244	118 - 215		
	16 - 17 years	118 - 222	114 - 209		
	>17 years	121 - 224	119 - 226		
AST (SGOT)	41	HIGH	IU/L	0-40	01
ALT (SGPT)	69	HIGH	IU/L	0-44	01
GGT	33		IU/L	0-65	01
Iron, Serum	75		ug/dL	40-155	01

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TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
Cholesterol, Total	203	HIGH	mg/dL	100-199	01
Triglycerides	329	HIGH	mg/dL	0-149	01
HDL Cholesterol	15	LOW	mg/dL	>39	01
According to ATP-III Guidelines, HDL-C >59 mg/dL is considered a negative risk factor for CHD.					
LDL Cholesterol Calc	122	HIGH	mg/dL	0-99	01
Comment:					01
T. Chol/HDL Ratio	13.5	HIGH	ratio units	0.0-5.0	01
T. Chol/HDL Ratio					
Men Women					
1/2 Avg.Risk 3.4 3.3					
Avg.Risk 5.0 4.4					
2X Avg.Risk 9.6 7.1					
3X Avg.Risk 23.4 11.0					
TSH	3.360		uIU/mL	0.450-4.500	01
Comment:					01
Thyroxine (T4)	8.3		ug/dL	4.5-12.0	01
T3 Uptake	28		%	24-39	01
Free Thyroxine Index	2.3			1.2-4.9	01
WBC	6.6		x10E3/uL	3.4-10.8	01
RBC	6.20	HIGH	x10E6/uL	4.14-5.80	01
Hemoglobin	15.3		g/dL	12.6-17.7	01
Hematocrit	47.4		%	37.5-51.0	01
MCV	77	LOW	fL	79-97	01
MCH	24.7	LOW	pg	26.6-33.0	01
MCHC	32.3		g/dL	31.5-35.7	01
RDW	16.2	HIGH	%	12.3-15.4	01
Platelets	212		x10E3/uL	150-379	01
Neutrophils	50		%		01
Lymphs	40		%		01
Monocytes	6		%		01
Eos	3		%		01
Basos	1		%		01
Immature Cells					01
Neutrophils (Absolute)	3.3		x10E3/uL	1.4-7.0	01
Lymphs (Absolute)	2.6		x10E3/uL	0.7-3.1	01
Monocytes(Absolute)	0.4		x10E3/uL	0.1-0.9	01
Eos (Absolute)	0.2		x10E3/uL	0.0-0.4	01
Baso (Absolute)	0.0		x10E3/uL	0.0-0.2	01

FINAL REPORT

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TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB	
Immature Granulocytes	0		%		01	
Immature Grans (Abs)	0.0		x10E3/uL	0.0-0.1	01	
Hematology Comments:					01	
T4,Free(Direct)	1.39		ng/dL	0.82-1.77	01	
Thyroglobulin, Antibody	<1.0		IU/mL	0.0-0.9	01	
Low positive Thyroglobulin antibodies are seen in a portion of the asymptomatic populations.						
Antithyroglobulin antibodies measured by Beckman Coulter Methodology						
Reverse T3, Serum	30.2	HIGH	ng/dL	9.2-24.1	02	
Vitamin D, 25-Hydroxy	16.3	LOW	ng/mL	30.0-100.0	01	
Vitamin D deficiency has been defined by the Institute of Medicine and an Endocrine Society practice guideline as a level of serum 25-OH vitamin D less than 20 ng/mL (1,2). The Endocrine Society went on to further define vitamin D insufficiency as a level between 21 and 29 ng/mL (2).						
1. IOM (Institute of Medicine). 2010. Dietary reference intakes for calcium and D. Washington DC: The National Academies Press.						
2. Holick MF, Binkley NC, Bischoff-Ferrari HA, et al. Evaluation, treatment, and prevention of vitamin D deficiency: an Endocrine Society clinical practice guideline. JCEM. 2011 Jul; 96(7):1911-30.						
Homocyst(e)ine, Plasma	10.4		umol/L	0.0-15.0	01	
Triiodothyronine (T3)	137		ng/dL	71-180	01	
Vitamin B12	1721	HIGH	pg/mL	211-946	01	
Thyroid Peroxidase (TPO) Ab	25		IU/mL	0-34	01	
Triiodothyronine,Free,Serum	3.5		pg/mL	2.0-4.4	01	